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OM protein - protein search, using sw model

Run on: January 8, 2002, 23:03:25 ; Search time 23.44 Seconds
(without alignments)
643.345 Million cell updates/sec

Title: US-09-635-521A-2
Perfect score: 2334
Sequence: 1 MASPSLPGSCSQTIDHSHV.....NSGAKPANSJAENGFEHEV 453

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 152495 seqs, 33289190 residues

T: number of hits satisfying chosen parameters: 152495

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Pending Patents: AA.New:*
1: /cgn2_6/ptodata/1/paa/PCT_NEW_COMB.pep.*
2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep.*
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep.*
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep.*
5: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep.*
6: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep.*
7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2334	100.0	453	US-09-970-966-209	Sequence 209, App
2	403	17.3	410	US-09-988-922-8	Sequence 8, Appl
3	363	15.6	415	US-09-876-252-12	Sequence 12, Appl
4	363	15.6	415	US-09-875-076-12	Sequence 12, Appl
5	349.5	15.0	412	US-09-876-252-130	Sequence 130, Appl
6	346.5	14.8	403	US-09-170-496D-114	Sequence 114, Appl
7	344.5	14.8	403	US-09-170-496D-224	Sequence 224, Appl
8	300.5	12.9	419	US-09-804-551B-26	Sequence 26, Appl
9	299	12.8	365	US-09-170-496D-88	Sequence 88, Appl
10	293	12.6	365	US-09-170-496D-210	Sequence 210, Appl
11	276.5	11.8	380	US-09-611-526-3507	Sequence 3507, App
12	272.5	11.7	380	US-09-170-496D-62	Sequence 62, Appl
13	272.5	11.7	380	US-09-170-496D-198	Sequence 198, Appl
14	263.5	11.3	444	US-09-992-331-19	Sequence 19, Appl
15	258	11.1	346	US-09-595-549-6	Sequence 6, Appl
16	258	11.1	346	US-09-992-331-11	Sequence 11, Appl
17	257	11.0	349	US-09-461-436-343	Sequence 343, Appl
18	256.5	11.0	348	US-09-992-331-14	Sequence 14, Appl
19	254	10.9	348	US-09-461-436-46	Sequence 46, Appl
20	254	10.9	348	US-09-461-436-342	Sequence 342, Appl
21	254	10.9	348	US-09-595-549-5	Sequence 5, Appl
22	254	10.9	348	US-09-992-331-10	Sequence 10, Appl
23	252.5	10.8	428	US-09-992-331-16	Sequence 16, Appl
24	252	10.8	362	US-09-892-331-13	Sequence 13, Appl
25	250.5	10.7	428	US-09-992-331-15	Sequence 15, Appl
26	250	10.7	349	US-09-595-549-7	Sequence 7, Appl

27	250	10.7	349	5	US-09-992-331-12	Sequence 12, Appl
28	250	10.7	351	5	US-09-461-436-344	Sequence 344, Appl
29	248	10.6	533	5	US-09-804-551B-28	Sequence 28, Appl
30	246.5	10.6	418	5	US-09-992-331-17	Sequence 17, Appl
31	244.5	10.5	438	5	US-09-743-872A-17	Sequence 17, Appl
32	243	10.4	391	5	US-09-841-720A-8	Sequence 8, Appl
33	241	10.3	398	5	US-09-841-720A-2	Sequence 2, Appl
34	241	10.3	398	5	US-09-823-114-16	Sequence 16, Appl
35	241	10.3	444	5	US-09-743-872A-28	Sequence 28, Appl
36	239	10.2	415	5	US-09-823-114-20	Sequence 20, Appl
37	238.5	10.2	760	5	US-09-555-313A-2	Sequence 2, Appl
38	238	10.2	409	5	US-09-743-872A-27	Sequence 27, Appl
39	237.5	10.2	390	5	US-09-743-872A-25	Sequence 25, Appl
40	237.5	10.2	391	5	US-09-743-872A-26	Sequence 26, Appl
41	237.5	10.2	392	5	US-09-743-872A-19	Sequence 19, Appl
42	237.5	10.2	398	5	US-09-743-872A-29	Sequence 29, Appl
43	237.5	10.2	401	5	US-09-743-872A-20	Sequence 20, Appl
44	235	10.1	347	5	US-09-823-114-24	Sequence 24, Appl
45	235	10.1	425	5	US-09-961-848-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1	US-09-970-966-209	Application US/09970966
Sequence 209, Application	US/09970966	
GENERAL INFORMATION:		
APPLICANT:	Stolk, John A.	
APPLICANT:	Mollesh, David Alan	
APPLICANT:	Fling, Steven P.	
APPLICANT:	Xu, Jiangchun	
TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY	
TITLE OF INVENTION:	AND DIAGNOSIS OF OVARIAN CANCER	
FILE REFERENCE:	210121.484C6	
CURRENT FILING DATE:	2001-10-02	
NUMBER OF SEQ ID NOS:	215	
SOFTWARE:	FastSeq for Windows Version 4.0	
SEQ ID NO:	209	
LENGTH:	453	
TYPE:	PRT	
ORGANISM:	Homo sapiens	
US-09-970-966-209		
Query Match	100.0%; Score 2334; DB 5; Length 453;	
Best Local Similarity	100.0%; Pred. No. 2.4e-197;	
Matches	453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1 MASPSLPGSCSQTIDHSHVPEFEVATWIKITLIVYLIIFVWGLGNSATIRVQYLOK 60	
QY		
DB	1 MASPSLPGSCSQTIDHSHVPEFEVATWIKITLIVYLIIFVWGLGNSATIRVQYLOK 60	
QY	61 KGYLOKEVDHNVSLACSDILVELGMPMEFYSIWNPLTSSYLSCKLHTEFEACSY 120	
QY		
DB	61 KGYLOKEVDHNVSLACSDILVELGMPMEFYSIWNPLTSSYLSCKLHTEFEACSY 120	
QY	121 ATLLVHLTSEFRYALICHPFRYKAVSGCQYKLLIGFWYTSALVALPLFAMGTEPL 180	
QY		
DB	121 ATLLVHLTSEFRYALICHPFRYKAVSGCQYKLLIGFWYTSALVALPLFAMGTEPL 180	
QY	122 ATLLVHLTSEFRYALICHPFRYKAVSGCQYKLLIGFWYTSALVALPLFAMGTEPL 180	
QY	181 VVWPSHRLGTCRRSSRHHQEPETSNMISCTMSSRMVFOSSIFGAFVYLVYLSAF 240	
QY		
DB	181 VVWPSHRLGTCRRSSRHHQEPETSNMISCTMSSRMVFOSSIFGAFVYLVYLSAF 240	
QY	241 MCMNMVQVLMKQKSLAGTRPPOLRKSSESESRARRQTIIFRLIVYTLAVCMMPNQ 300	
QY		
DB	241 MCMNMVQVLMKQKSLAGTRPPOLRKSSESESRARRQTIIFRLIVYTLAVCMMPNQ 300	
QY	301 IIRIMAAAPKRDWTRSYRAYMIILPSETEFYLSVYNPLTYVSSQOFRVVOYLC 360	
QY		
DB	301 IIRIMAAAPKRDWTRSYRAYMIILPSETEFYLSVYNPLTYVSSQOFRVVOYLC 360	

OY 361 CRSLGHNHNEKRLRVHAHSTTDSARFVORPLLFASRRSSARREKIFLSTFOSEAEPO 420
DB 361 CRSLGHNHNEKRLRVHAHSTTDSARFVORPLLFASRRSSARREKIFLSTFOSEAEPO 420
OY 421 SKQSLSLESPNGSCAKPANSAAENGFOEHEV 453
DB 421 SKQSLSLESPNGSCAKPANSAAENGFOEHEV 453

RESULT 2

US-09-988-922-8
Sequence 8, Application US/09988922
GENERAL INFORMATION:
APPLICANT: Erding Hu
APPLICANT: Yuan Zhu
APPLICANT: Ganesh M. Sathe
APPLICANT: Joyce Yue Mao
APPLICANT: Wendy S. Halsey
APPLICANT: Jon Chambers
APPLICANT: Alison Isobel Muir
APPLICANT: Philip Graham Szekeres
APPLICANT: Usman Shabon
APPLICANT: Derek J. Bergsma
APPLICANT: Nabil A. Elshourbagy
APPLICANT: David Michalovich
APPLICANT: Pamela A. Lane
APPLICANT: Menelaus N. Pangalos
APPLICANT: Melanie Robbins
APPLICANT: David Malcolm Duckworth
APPLICANT: Jeffrey Hill
APPLICANT: Ping Tsui
APPLICANT: Pankaj Agarwal
APPLICANT: Randall Forrest Smith
APPLICANT: Lisa Vawter
APPLICANT: Catherine E. Ellis
APPLICANT: Manhanandeshwar Gattu
APPLICANT: John W. Quillen, Jr.
APPLICANT: Erin M. Toland
APPLICANT: Steven Michael Foord
APPLICANT: Han Ngoc Trinh
APPLICANT: Alexander Taylor
APPLICANT: Henry Sarau
APPLICANT: Steven Ruben
APPLICANT: George H. Poste
APPLICANT: Philippe Laurent Robert
APPLICANT: Stephane Clement Krief
APPLICANT: Bernard Emile Joseph Gout
APPLICANT: Eve Mahe
TITLE OF INVENTION: HUMAN G PROTEIN-COUPLED RECEPTOR
TITLE OF INVENTION: POLYPEPTIDES AND POLYNUCLEOTIDES
FILE REFERENCE: GP-70775B-C1
CURRENT APPLICATION NUMBER: US/09/988.922
CURRENT FILING DATE: 2001-11-19
NUMBER OF SEQ ID NOS: 82
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 8
LENGTH: 410
TYPE: PRT
ORGANISM: HOMO SAPIENS
US-09-988-922-8

Query Match 17.3%; Score 403; DB 5; Length 410;
Best Local Similarity 27.6%; Pred. No. 7.3e-28;
Matches 107; Conservative 68; Mismatches 158; Indels 54; Gaps 10;

OY 28 WIKITLIVLLIIFMGLNSATIRVTVLOKKGYLQKEYVDHWVSLAGSDIIVFLIGM 87
DB 30 WAKVLTALYALIMALGAGNALSVHV--VLKARAGRGRLHHHVALALAGLLLLLVG 87
OY 88 PMEFYSIIMNPLTSSSYLSCKLHTEFEACSYATLLHVLTLSPERYIAICHPRYKAVS 147

DB 88 PVEIATSEFWFHYPMWFRDLGRCGYFVEHLCATVLSVAGLSAERCLAVCOPLRARSLL 147
OY 148 GPCQVKLLIGVWVTSALVALPLFAMGTEFPLVNVVSHRLLCNBSTRHNEPETSMM 207
DB 148 TPRRTRWLVALSMAASIGLALPMVIMGOKHELETDAG-----EPEAS- 191
OY 208 SICITLSRMTVFOSSI-FGAFVYLVLLSVAFM---CMMNQVLAKSQKSLAGCTR 262
DB 192 RVCYLVLR-TALQYFIQVNVLSFVLPLALFLNGLVTSYHLLALCSQVPSISTPGSS 250
OY 263 PPOLRKSESE-----ESTPAR-----OTIFRLIVVTAVCW 296
DB 251 PSRIELISEGLLFTYWKKTFTIOGGVSLVRHDKVRRISLRSYOVLAIVMYVICW 310
OY 297 MPNQRRIMAAKPKHMDTRSYFRAYMLLPFSFTFFLSVIVPLITYVSSQGFRRFV 356
DB 311 LPYHARRLMCYVDDAWTDPLNFFYHFWVTMLFFYSSAVPLILYNAVSSFRFEL 370
OY 357 QVLCRLGHNHNE-KRLRVHAHSTT 382
DB 371 EAVS---SLGCHHMKRLPKPQSP 394

RESULT 3

US-09-876-252-12
Sequence 12, Application US/09876252
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulism, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huong T.
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/876.252
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439

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; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
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; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,533
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-252-12

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Query Match      15.6%; Score 363; DB 5; Length 415;
Best Local Similarity 28.0%; Pred. No. 2.4e-24;
Matches 97; Conservative 67; Mismatches 138; Indels 44; Gaps 10;

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QY 35 LVYLLIFVWGLDLSNATIRYQVLOKKGYLDKREYTDHNVSLACSDILVFLIGMPMEFYSI 94
DB 50 VVYVPIFVGVIGN---VLQCVLITLQHQAMKPTNYLFLSLAVSDLLVLLGMPLEVEYE- 105
QY 95 IWNPLTSSYTLCKLHTEFEACSTATLHLVLTSEFRIALCHPFRKAYSGPCQVYL 154
DB 106 MWRNYPFLFPGVGCYKFTALFEVCFASISITTVSEVERVALHPRAKLOSTRRALR 165
QY 155 LIGFWWTSALVALPLFLFAGTEYPLVNVPSHRGLTCNRSTRHQOPEYS---NMSICT 211
DB 166 ILGIWGESVLESLP-----NTSIH-----GIKFHIFPNGLVPGSATCT 205
QY 212 NLSRWT---VFQSSIFGAFVYLVVLLSVAFMCMNMOMVLMKSQKSLAGTRPPOLRK 268
DB 206 VIKPMWYINFLIOYT---SEFLYLLP---MTVISVLYLMLALTKKDKSLKLEAD-----E 253
QY 269 SESESRARQOTIIFELVLYVTLAVCMMPNOIRITMAAAKPKDKWTRSTFRAYMILLPF 328
DB 254 GNANIORCRKSVNKMFLVLAIFAICWAPPHIDRLFEFSF---VEWSESLSAENVLVHV 311
QY 329 SETPEYSSVYNPLLYTVSSQOFRFRVFOVLCRSLQHANHEKRL 374
DB 312 SGVEFYSSAVNPILYINLSRRFQAFAQNVNISFRKQWHSQHDPL 357

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RESULT 4
US-09-875-076-12
; Sequence 12, Application US/09875076
; GENERAL INFORMATION:
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin

```

```

; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
; FILE REFERENCE: AREN0050
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/417,044
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
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; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,437
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; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
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; PRIOR FILING DATE: 1999-09-29
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; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,293
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-875-076-12

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Query Match      15.6%; Score 363; DB 5; Length 415;
Best Local Similarity 28.0%; Pred. No. 2.4e-24;
Matches 97; Conservative 67; Mismatches 138; Indels 44; Gaps 10;

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QY 35 LVYLLIFVWGLDLSNATIRYQVLOKKGYLDKREYTDHNVSLACSDILVFLIGMPMEFYSI 94
DB 50 VVYVPIFVGVIGN---VLQCVLITLQHQAMKPTNYLFLSLAVSDLLVLLGMPLEVEYE- 105
QY 95 IWNPLTSSYTLCKLHTEFEACSTATLHLVLTSEFRIALCHPFRKAYSGPCQVYL 154
DB 106 MWRNYPFLFPGVGCYKFTALFEVCFASISITTVSEVERVALHPRAKLOSTRRALR 165
QY 155 LIGFWWTSALVALPLFLFAGTEYPLVNVPSHRGLTCNRSTRHQOPEYS---NMSICT 211
DB 166 ILGIWGESVLESLP-----NTSIH-----GIKFHIFPNGLVPGSATCT 205
QY 212 NLSRWT---VFQSSIFGAFVYLVVLLSVAFMCMNMOMVLMKSQKSLAGTRPPOLRK 268

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Db 206 VIKPMVNFIIQV---SEFYLLEP-MTVISVLYLMALRLKDKSEAD-----E 253
QY 269 SSESRTARROTIFLRIVTLAVCMMPNQIRRIIMAAKPKHDMTSSYFRAYMILPF 328
Db 254 GNNIOTPRKRSVNMKLEVLVFAICAPFIIDLFPSF--VEEMSESLAANFNLHV 311
QY 329 SEFPYLSVINPLLYTVSSQOFRRVVOVLCRLSLQHANHEKRL 374
Db 312 SCVFFFLSSAVNPITINLSRFRQAQFQVIVSSFKQMSQDPL 357

RESULT 5
US-09-876-252-130
Sequence 130, Application US/09876252
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulisma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huang T.
APPLICANT: Chen, Ruoping
APPLICANT: Liao, Chen W.
TITLE OF INVENTION: Non-Endogenous Constitutively Activated Human G Protein Coupled Receptor
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
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PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
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PRIOR FILING DATE: 1999-05-28
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PRIOR APPLICATION NUMBER: 60/137,131
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/141,448
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/156,555
PRIOR FILING DATE: 1999-09-29

PRIOR APPLICATION NUMBER: 60/156,634
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,653
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/157,280
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,294
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,281
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,282
PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/156,633
PRIOR FILING DATE: 1999-09-29
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.0
SEQ ID NO 130
LENGTH: 412
TYPE: PRT
ORGANISM: Homo sapiens
US-09-876-252-130

Query Match 15.08; Score 349.5; DB 5; Length 412;
Best Local Similarity 28.38; Pred. No. 3; 7e-23;
Matches 11; Conservative 64; Mismatches 170; Indels 45; Gaps 13;

QY 4 PSLPGSD---CSQIIDHSHVEFEVATWIKITLLVLYLIIFVMGLGNSATIRYTOYLOK 60
Db 20 PALPQDERRCS-----FPLGALVPT--AVOLCFVGVSNVTV---MLGR 65
QY 61 KGYLOKEVTDHMSVLAQSDIIVFLIGMPEFYSTIINPLTSSYTLCKLHTEFEACST 120
Db 66 YRDMTNTNLYIGSMAVSDLLI-LIGLPLDYR-LGRSPWVEGPLCRLSLVYGECCY 123
QY 121 ATLLHVLTSFERIATICHPRYKAVSGPOYKLLIFVMWTSALVPLPFMGTEY-P 179
Db 124 ATLLHMTALSVERTALICRPLARVAVTRRRVALIVLMAVALISGPLFLVGEQDP 183
QY 180 LVN-VPSHRLGTCNRSSTRHNEQ-----PETSNNISICTNLSRMTVEQSS 223
Db 184 GISVPPGLNGTARTASSPLASPLMLNSRAPPPSPGPEAEAAALFSECRSPSQ-- 241
QY 224 TGAFAVYLVVLLSVAEKMMNOYLMKSQGLAGCTRPOLKSSSESRTARROTII 283
Db 242 -LGLARVLMVTTAVFFELPCLSLIYGLIGRELMSRRP--LGRPAAGRGHGRQTKR 298
QY 284 FLRLIVTLAVCMMPNQIRRIIMAAKPKHDMTSSYFRAYMILPFSEFPYLSVINPL 343
Db 299 VLVVVLAEFTICMLPFHVGRITLY--NTEDSRMMYFSQFNITVALQ--LFTLSASINPIL 354
QY 344 YTVSSQOFRRVVOVLCRLSLQHANHEKRL 373
Db 355 YNLISKRYRAAFKLLARKSRPRGFHRSR 384

RESULT 6
US-09-170-496D-114
Sequence 114, Application US/09170496D
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liao, Chen W.
TITLE OF INVENTION: Non-Endogenous, Constitutively Activated Human G Protein-Coupled Receptor
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: PatentIn version 3.1
SEQ ID NO 114
LENGTH: 403
TYPE: PRT

ORGANISM: Homo sapiens
US-09-170-496D-114

Query Match	14.8%;	Score 346.5;	DB 5;	Length 403;
Best Local Similarity	28.3%;	Pred. No. 6.5e-23;		
Matches 104;	Conservative 63;	Mismatches 140;	Indels 61;	Gaps 14

```

QY 27 TWKTLTLLVYLIFVWGLGNSATIPVLOKRGLOKEVTDHAWSLACSDLLVFLG 86
   : : : : : 11:111:1 :11 :11 : : : : : 11:111:111:11
Db 34 TELFMPICATYLLIFVVGANGNLCTLV - TLHKA - MTPPTNYTLFSLAVSDLLVLVG 90
QY 87 MPMEFYSLIMPLTTSYVLLSCKLHPELFEACSYALLHVLTFSEERYIALCHEPFRKAV 146
   : : : : : 11:11 :11 :11 : : : : : 11:11 :11 :11 : : :
Db 91 LPLELYE - MHNHYPELLGVGCGYRLLTFEMWCLASVNLVTLSERYAVVHPLQARSM 149
QY 147 SGFCOYKLLIGFVWVTSALVALPLLFPMGTETPLVAVPSHGLTGNRSRTHHDEPETS 206
   : : : : : 11:11 :11 :11 : : : : : 11:11 :11 :11 : : :
Db 150 VTRAHNRRLGAWGLAMGLSLPTSLHGIRO - LHVPC - RG-----EVPD 192
QY 207 MSICNVLSSRWVFPQSSIFGAFVYVLLVLSVA - EMCNMN - MQV----- 248
   : : : : : 11:11 :11 :11 : : : : : 11:11 :11 :11 : : :
Db 193 SAVCMIVRPR-----ALYNNVAVTTLAEFCCLPMAMSVLYLLIGLRIRERL 240
QY 249 - LMSQKSLGAGTGRPPOLRKSESEESERTAROTLIFELIYVTLAVACMPNDRIIMAA 307
   : : : : : 11:11 :11 :11 : : : : : 11:11 :11 :11 : : :
Db 241 LLMQEKEXGKGAARSRYTCLQOHD - RRRORYLMLFVLYVVGICMAFPAHADRMS 298
QY 308 AKPKHDWTRSFYRAYMILLPESEFYLSSVINPLLVTYVSSQFRRVEVQVL---CC-R 362
   : : : : : 11:11 :11 :11 :11:11:11 :11 :11 :11 :11 :11
Db 299 VVSQ - WTGDLHLFOHVHVISGIFFLYLSAANPVLVSLMSRSRPRETFQELALGACCHR 356
QY 363 LSLQHANH 370
Db 357 LRPRRSH 364

```

```

RESULT 7
US-09-170-496D-224
: Sequence 224, Application US/09170496D
: GENERAL INFORMATION:
: APPLICANT: Behan, Dominic P.
: APPLICANT: Chalmers, Derek T.
: APPLICANT: Liaw, Chen W.
: TITLE OF INVENTION: Non-Endogenous, Constitutively Activated Human G Protein-Coupled
: TITLE OF INVENTION: Receptors
: FILE REFERENCE: AREN-0040
: CURRENT APPLICATION NUMBER: US/09/170,496D
: CURRENT FILING DATE: 1998-10-13
: NUMBER OF SEQ ID NOS: 294
: SOFTWARE: Patent version 3.1
: SEQ ID NO 224
: LENGTH: 403
: TYPE: PRF
: ORGANISM: Homo sapiens
US-09-170-496D-224

```

Query Match	14.88;	Score 344.5;	DB 5;	Length 403;
Best Local Similarity	28.38;	Pred. No. 9.8e-23;		
Matches 104; Conservative	63;	Mismatches 140;	Indels 61;	Gaps 14;

[illegible]

```

QY 207 MSICITLNSIRPTVQSSIFGAFVYUJVLVLVLSVA--FPCSMNN--MOV-----248
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 193 SAVCMVLRPR-----ALYNNVQTTALLFCFCPEMAIMSVYLLIGLRIRERL 240
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 249 -LMSKSGSLAGCTRPOLRKSESEESRATAROTIFLRILVYTLAVCMPNOIRIMA 307
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 241 LLMGEAKRGSGSAARSRYTCRLQOHD--RGRQYKKMLFVLVVVFICMAPFPHADRWMS 298
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 308 AKRPNDWTRSTFRAYMILLPRSEFFFLSSYNPLLYTVSSQOQFRFRFYVL-----CC-R 362
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 299 VVSO--PWIDGLHLAFQHVHYLSGIFYLGSANPVLVLSMSSRRFFETFOALCLGACCHR 356
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 363 LSLQHANH 370
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 357 LRPKHSSTH 364
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT      8
US-09-804-551b-26
: Sequence 26, Application US/09804551B
: GENERAL INFORMATION:
: APPLICANT: Bayer Aktiengesellschaft
: TITLE OF INVENTION: Receptors for peptides from insects
: FILE REFERENCE: Le A 34 354
: CURRENT APPLICATION NUMBER: US/09/804,551B
: CURRENT FILING DATE: 2001-03-12
: PRIORITY APPLICATION NUMBER: DE 100 13 618.4
: PRIOR FILING DATE: 2000-03-18
: NUMBER OF SEQ ID NOS: 92
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO: 26
: LENGTH: 419
: TYPE: PRT
: ORGANISM: Drosophila melanogaster
: US-09-804-551b-26

```

Query Match	12.9%;	Score 300.5;	DB 5;	Length 419;
Best Local Similarity	26.1%;	Pred. No. 7.5e-19;		
Matches 109;	Conservative 63;	Mismatches 148;	Indels 97;	Gaps 16;

QY	29	IKLLIVLILIFPMGLGMSATIRATYQLOKKGYLOKEVTDHMAIAGSDILIVYLIGM	88
QY	29	IKLLIVLILIFPMGLGMSATIRATYQLOKKGYLOKEVTDHMAIAGSDILIVYLIGM	88
Db	19	IVIVVAVVSLIFITGVAGNIST---CIYKKNMSMTATNNYLFSLAISDFLLLSGV	75
QY	89	MEFYSIWN--PLTSSYTSCKLHPFLFECASYATLLHVLTLSFEFYAICHPRKAV	146
Db	76	QE-VSYIMSKRYPVFGERY--CIQRGLAETSANAYVLTITATVERYAICHPRIGQAM	132
QY	147	SGCPQVKLLIGFWWTSALVALPRLPFAMGTEYPLVNPVSHRGD--TCN--RSSTRHDEPE	203
Db	133	SKLSRAIRIIVLWIMAIYMAIPDAQFIEH-----YSGVECGIYRVIVKHS----	181
QY	204	TSNMSTICTNLSKRYTVQSSIFGAFV-----VYLIVLTSVAFMCMNMNQV-----LMSQK	254
Db	182	-----FOLSTFEFLAPMSIILVLYLLGVHLRYSTLVEGPASVARROO	225
QY	255	-----GSLAG-----GTPRQLKSESESRATROITIF	284
Db	226	LKSVPSDTILRYGGSGTAMSPMGSGSGAGTLAGMGSCQALSSVGRGLNHYTRVYLRM	285
QY	285	LRLIVVTLAVCMENQIRIRIIMAAKP-----KIDWTSYPRAYMILLPFSETFEYLS	346
Db	286	LVAVVVCFCLMAPRPHQRILAIYAPARGAKLRDQHEF-----VYTMVYVSGVLYLIS	339
QY	337	SVINPLIITYVSSQDFRNVQYVL-----CCSLSIQAHNH--EKKRLVYHAHSTVDSAPF	387
Db	340	TCINPLLYNMISHREAFRAVAVLFGKKVKSQSLNSRNINSERLRATALNNSSQTOF	396

RESULT 9
US-09-170-496D-88


```

#
#   SEQ ID NO 19
#   LENGTH: 444
#   TYPE: prt
#   ORGANISM: Homo sapiens
US-09-992-331-19

```

Query March	11.38;	Score 263.5;	DB 5,	Length 444;
Best Local Similarity	21.28;	Pred. No. 1.4e-15;		
Matches 99; Conservative	99;	Mismatches 154;	Indels 115;	Gaps 23

```

01 Db 46 EYIHHREY--WV---DIAGIIVFVALLIGN--VLVCVAWKNHHHRTVNTFYNL 96
02 QY 76 ACSDIIVELIGNMEFYSIINNPLTSSYLLS--CKIHEFLFEGCSATVILHVLISPERY 134
03 Db 97 SLADVLVITITCPRA---TLVVDIETMFEPGOSLCKVITPILOIVASVSATVILSCIALDRW 155
04 QY 135 IAIChEFKKAASGEOYKLLIGFVWVTSALVALPILFAM--GTEPX-LVNPVSHGLTC 191
05 Db 154 YAICHPLMEKSTAKRARSIVI--IWIJSCIIMIPAIWECSTVFPGLAN----- 202
06 QY 192 NNSRHHHQPTSMISICTLSSRW-----IVPOSSIFGAFVYUL--VYLSTAFM-- 241
07 Db 203 -----KITLEPYC--DERMGEIYPMYHICEF--LVYTMAPLCIMLAYLOI 246
08 QY 242 -----C-----WNMMOVLMSQKGSILAGTRPPOLRKS-----BSESGRTAR 279
09 Db 247 FRKIMCRODIPGTSVVOYKMKPPLDPOVSQR-----GPGQPTSRKSAVAALKEIQR--ARR 300
10 QY 280 QTIIFLRLIVTLAVCWMP---NQIIRI--MAAPPKHDWTSYFRAAYMILPESETFF 333
11 Db 301 KPARMIAMVULLVFAFICVYIETPILNLKRVGCMFAHTEDEBETVAMF-----TFSHMLV 355
12 QY 334 YLSSVYNPLLTYSOQFRRYVOYL--CCNLSIQHANNHEKRLRYVAHSTTTSARFVORPL 352
13 Db 354 YANSAMNPIIYNLSGFRFEFKAAASCCOLGVHNDQEDRLR----- 366
14 QY 393 LFASRROSSARTEKIFLTFOSAEPOSSQSLSTLESDEPNSSGAKP 439
15 Db 397 ---GATSTESKSLITQISNPDNISKISEQVULTSTIPLPAANGAP 440

```

```

RESULT 15446
US-09-595-549-6
; Sequence 6, Application US/09595549
GENERAL INFORMATION:
  APPLICANT: Howard, Andrew D.
  APPLICANT: Cascieri, Margaret A.
  APPLICANT: Smith, Roy G.
  APPLICANT: Sullivan, Kathleen A.
  APPLICANT: Tan, Carina
  APPLICANT: Van der Ploeg, Leonardus H. T.
  TITLE OF INVENTION: GALAXIN RECEPTOR GALR3 AND NUCLEOTIDES
  TITLE OF INVENTION: ENCODING SAME
  FILE REFERENCE: 2014BPCA
  CURRENT APPLICATION NUMBER: US/09/595,549
  CURRENT FILING DATE: 2000-06-16
  PRIOR APPLICATION NUMBER: US98/726812
  PRIOR FILING DATE: 1998-12-17
  PRIOR APPLICATION NUMBER: 60/069,725
  PRIOR FILING DATE: 1997-12-17
  NUMBER OF SEQ ID NOS: 16
  SOFTWARE: FastSeq for Windows Version 4.0
  SEQ ID NO 6
  LENGTH: 346

```

```

; TYPE: PRT
; ORGANISM: rat
US-09-595-549-6

```

Query Match	11.1%;	Score 258;	DB 5;	Length 346;
Best Local Similarity	24.8%;	Pred. No. 3.2e-15;		
Matches 94;	Conservative 68;	Mismatches 141;	Indels 76;	Gaps 17;

```

QY      21 PEREVAWTKRILILIVYLIFVIMGLMSATIRVTOYLOKQGYOEVNDHVASLACSDI  80
      | - - - - - | - - - - - | - - - - - | - - - - - | - - - - - |
Dd      24 PLGIGVEVNFILY-VFGLIFRGMVGLGSLVITYL-ARSPGKPRSTYMLFLINSTADL  81

QY      81 LVFLICMPHEVYSIIMNPLTTSYSTLSCKLTLEFACSYATLLHVLTISERYTALCP  140
      | - - - - - | - - - - - | - - - - - | - - - - - | - - - - - |
Dd      82 AYLLFCIP--FOATYVALPTWLGAFICKFHFHFVMSLVSIPTLAASVDYRAVAIHS  139

QY      141 FRKKAWSGCQCKLLIGVWVWTSALVALPILFLFAMGTEYPLVWVPSHRGLTCNRSTRHNE  200
      | - - - - - | - - - - - | - - - - - | - - - - - | - - - - - |
Dd      140 RRSSTLRVSRNALLVGVGIFMLSTAMSPAVY-----YORL-----FIR-----  178

QY      201 QPETSMSJIC-----TNLSRMTVFQSSIGAFVYLVVLVLAFCMNMNOVLKKSOG  255
      | - - - - - | - - - - - | - - - - - | - - - - - | - - - - - |
Dd      179 ---DSMQTCMHWMPNOJHKRAYVVCIFVGG-----YLLPRLILCFCYAKVLNHLHKIKLN  233

QY      256 SLAGTTRPQRLKSESEBSRTARROTIIFRLIVLTVLAVCMMPNDOTIRIIMAAKPKHDWT  315
      | - - - - - | - - - - - | - - - - - | - - - - - | - - - - - |
Dd      232 -----MSKKSASAKKTA--QVFL-----VVVVVFGISMLPBNH-----IHMA  268

QY      316 RSYFRAYMILLPFSTFP-----YLSVYNPLLYVSSQRRRVFVYOLCRLSLQ  366
      | - - - - - | - - - - - | - - - - - | - - - - - | - - - - - |
Dd      269 E-FGAFF-LTPAS--FFFRITAHCLAYSNSVNPITIAVLESENFRAKAYKOVFCRCVONE  323

QY      367 --HANKEKRLRVHAHSTD  383
      | - - - - - | - - - - - | - - - - - | - - - - - | - - - - - |
Dd      324 SPBGDAKKEKNRIDTPPSTN  342

```

Search completed: January 8, 2002, 23:09:45
Job time: 384 sec



1. 2. 3.

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